CSS Workshops Round 2
Public Open House

August 15, 2019

Public Open House Agenda

August 2019 Public Open House

1. Welcome and Introductions
2. I-65/I-70 North Split Project Update
3. CSS Update

- Process Summary
- Visioning Results
- Project Elements
- Additional Opportunities

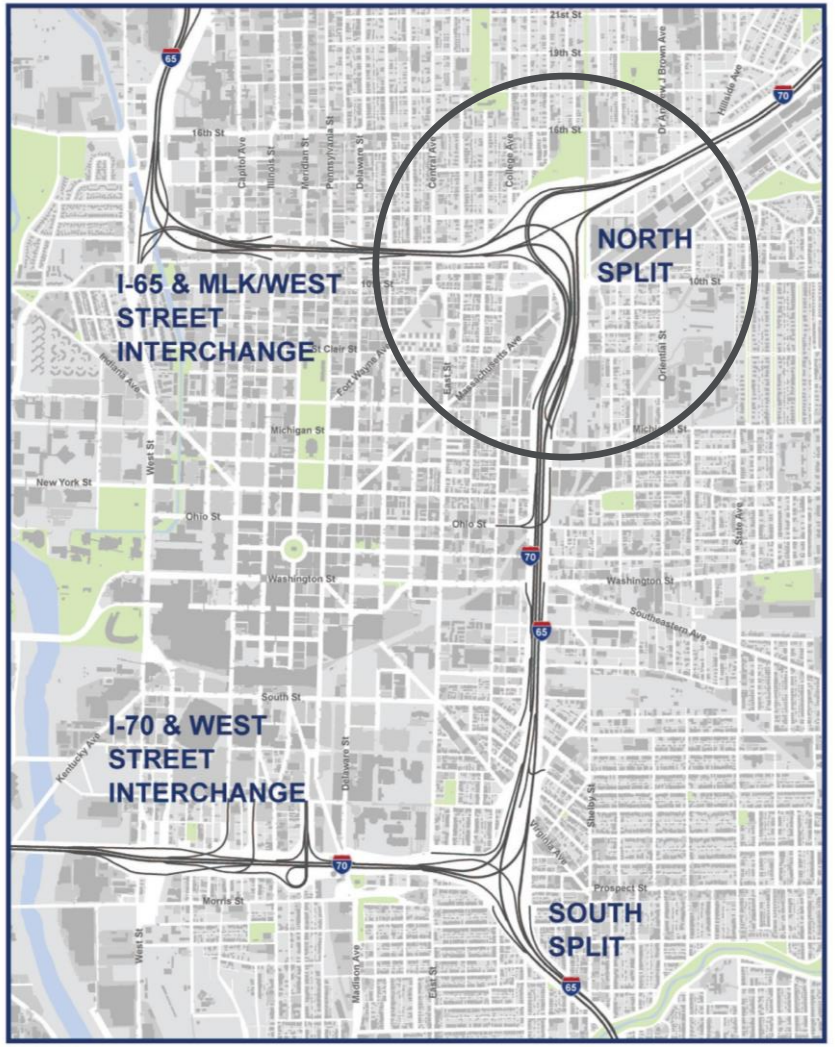
4. CSS Design Workshop


NORTH SPLIT
UPGRADES
DRIVING PROGRESS
Project Update
INDIANA
INDOT
DEPARTMENT OF TRANSPORTATION

North Split Interchange

INDOT is reconstructing the North Split interchange

- Where I-65 and I-70 meet at the northeast corner of downtown inner loop
- Constructed 40 to 50 years ago
- Second-most heavily-traveled interchange in the state – 214,000 vehicles per day
- Project goals:
  - Replace deteriorated pavement and bridges
  - Improve safety
  - Improve traffic flow



NORTH SPLIT UPGRADES DRIVING PROGRESS

Physical Condition and Safety

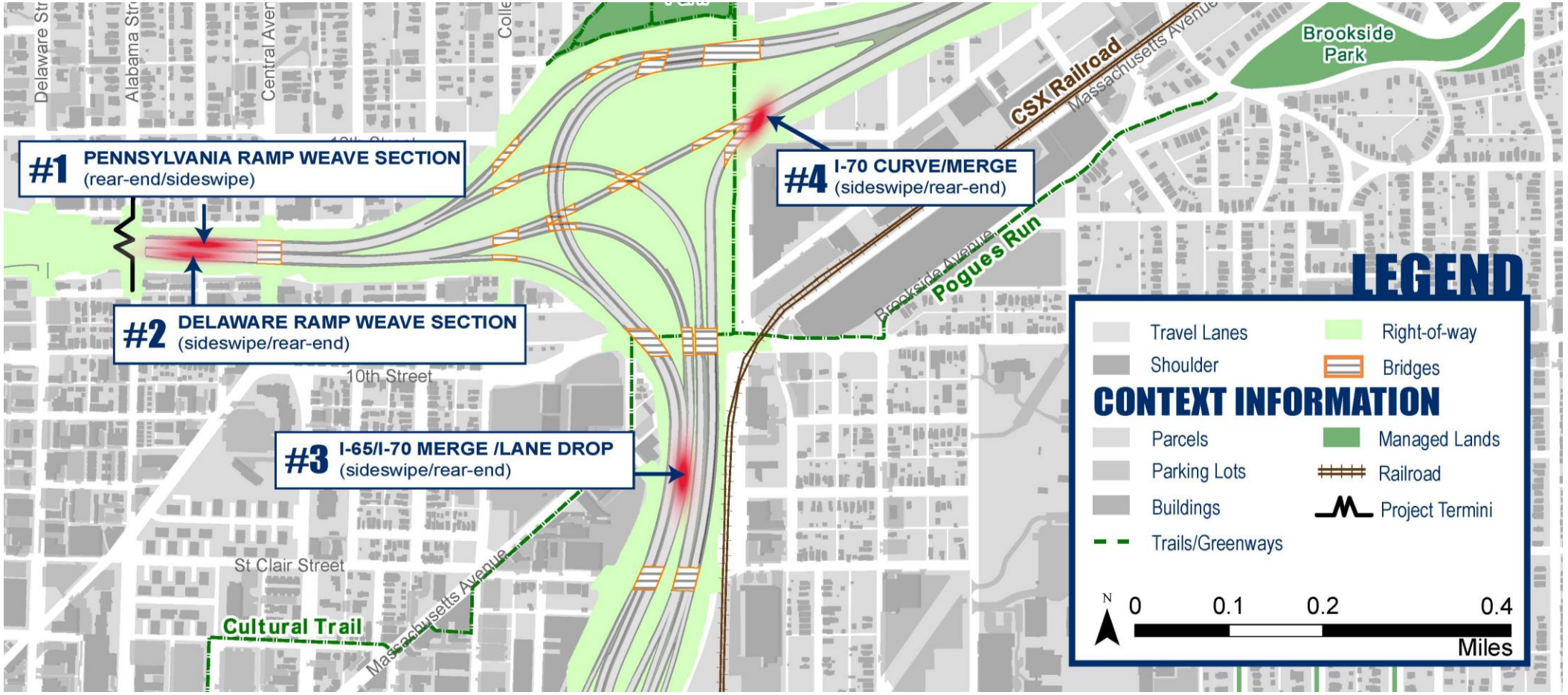
Deteriorated pavement and bridge conditions.

- Constructed in the 1960s and 1970s – pavement is past its life expectancy
- Bridge conditions are poor and getting worse:
  - Under 5 years of life (11 bridges)
  - 5 - 10 years of life (16 bridges)
- Over 1,600 crashes from 2012 to 2016

NORTH SPLIT UPGRADES DRIVING PROGRESS

Safety – High Crash Locations

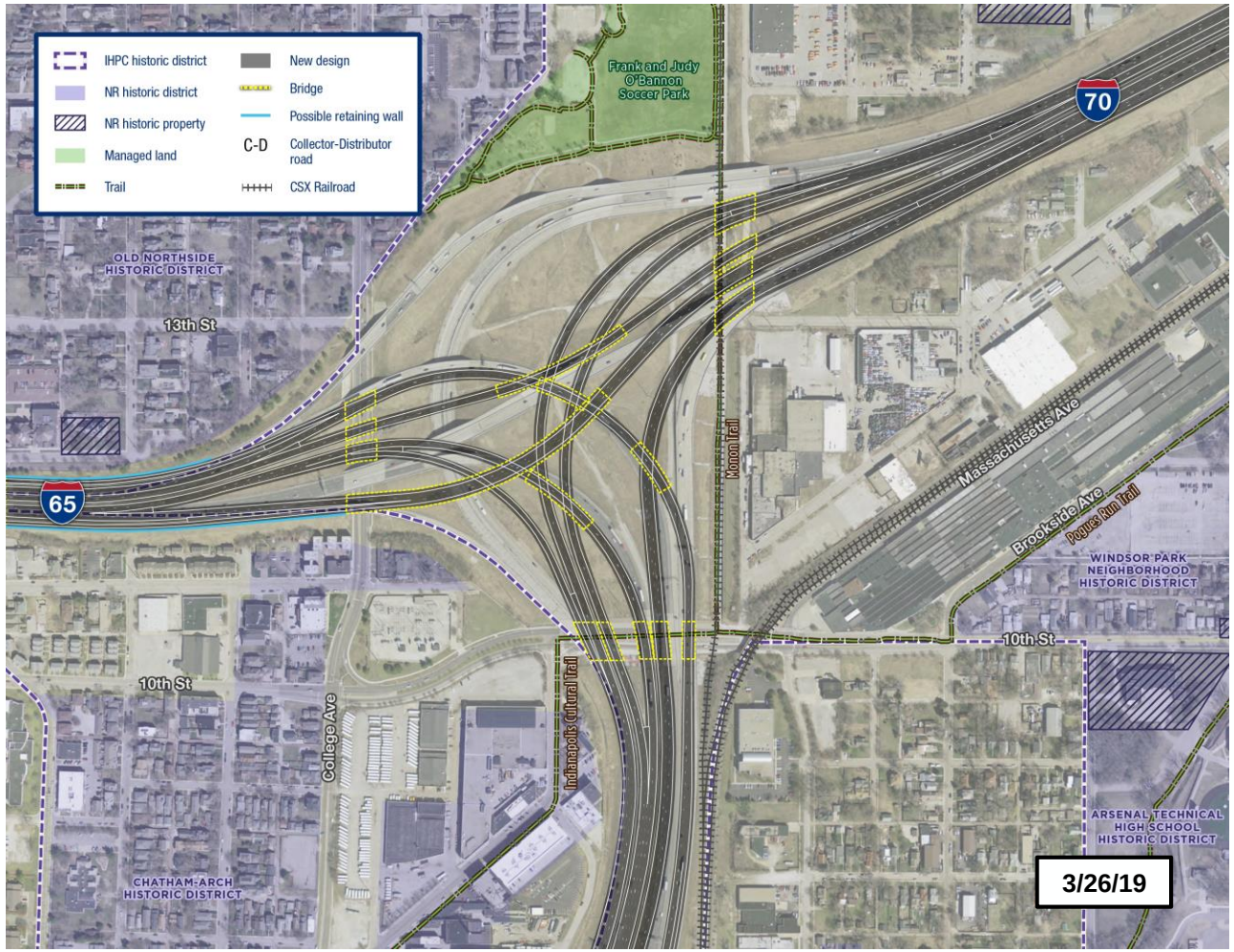
Top 4 Crash Locations



NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary Preferred Alternative

- Replaces all pavement and bridges
- Improves safety at the most hazardous locations
- Removes the worst bottlenecks
- More compact interchange
- Does not add through lanes
- Within existing right-of-way
- Minimizes outside walls
- Two restricted ramp movements
  - Delaware ramp to I-70 only
  - Pennsylvania exit from I-65 only



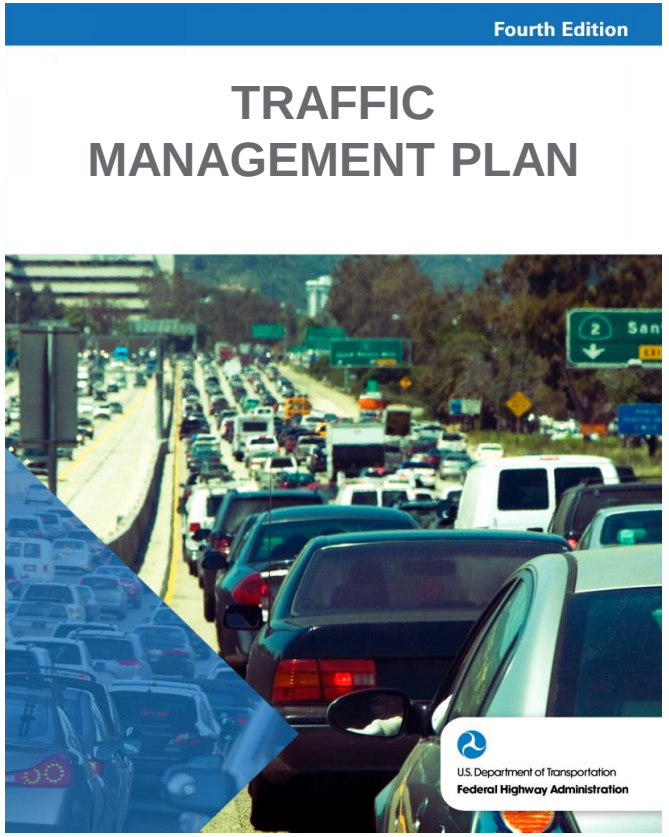
NORTH SPLIT UPGRADES DRIVING PROGRESS

Major Project Milestones

- September 2017 Project Initiation
- May 2018 System-Level Analysis of Downtown Interstates
- September 2018 Alternatives Screening Report
- **Spring – Fall 2019 Project Refinement and Context Sensitive Solutions (CSS) process**
- Mid-2020 Environmental Assessment complete
- 2021 - 2022 Project Construction

Construction & Maintenance of Traffic

- Two-year period of construction (2021 – 2022)
- Maintenance of traffic planning currently underway
- Extended closure of some interstate segments, but full closure not anticipated
- Short-term closures of local cross streets for bridge construction
- Traffic Management Plan (TMP)
  - Temporary Traffic Control Plan
  - Traffic Operations Plan
  - Public Information Plan
  - TMP Task Force



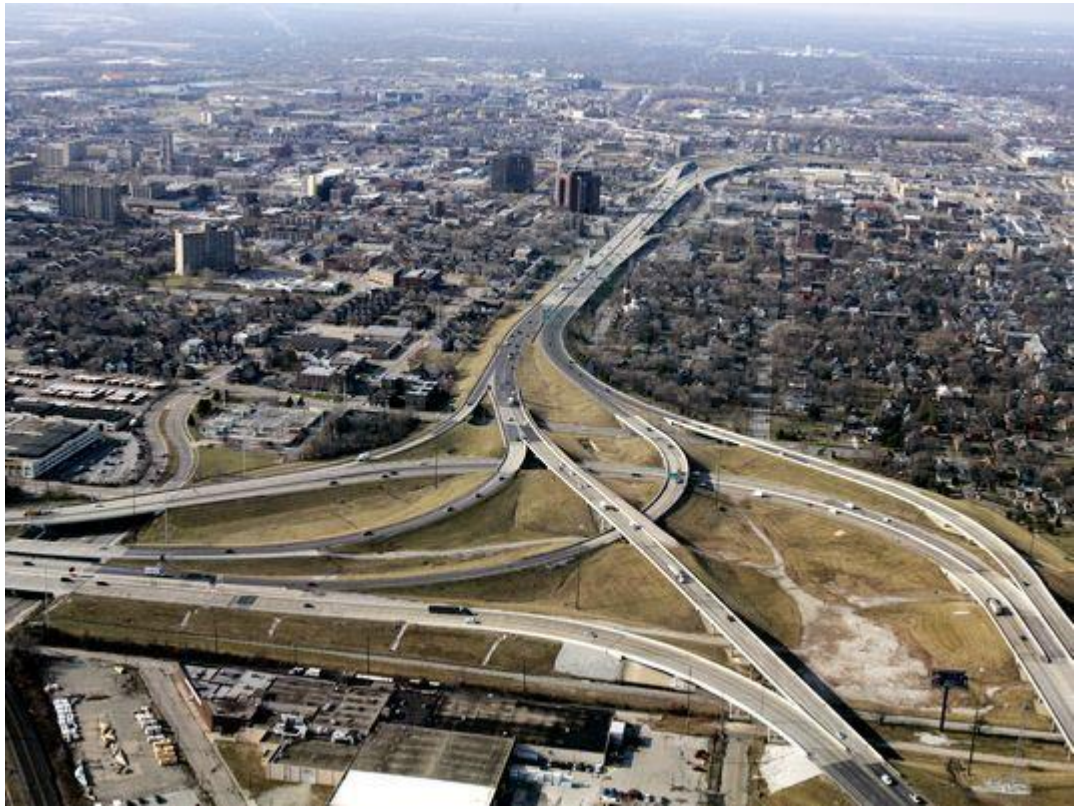
North Split Project Summary

Objective: Reconstruct the Interchange

- Replace pavement and bridges
- Address major safety problems
- Eliminate bottlenecks to improve level of service

But Consider the Neighborhood Context

- Enhance neighborhood integration
- Provide neighborhood connectivity
- Engage neighbors and stakeholders in context sensitive design



NORTH SPLIT
UPGRADES
DRIVING PROGRESS

CSS Update: Public Engagement & Round 1 Visioning Meetings

CSS Process

PART 1
VISIONING

- Conduct Inventory and Assessment
- Develop Character and Themes

PART 2
PRELIMINARY DESIGN TREATMENTS

- Develop Conceptual Treatments
- Develop Conceptual CSS Plan

PART 3
CSS DESIGN GUIDELINES PACKAGE

- Revise and Finalize CSS Design Treatments
- Develop Preferred Conceptual Plan Costs

NEXT PHASE
SPECIFICATIONS & STANDARD DETAILS

- Develop specifications and standard details

CSS Public Engagement

CSS Public Engagement...by the numbers

5 Neighborhood Workshops

2 Local Business Groups

14 Neighborhoods

2 Rethink Coalition Meetings

250+ Residents Engaged

2,627 Comments Received

CSS Public Engagement

Old Southside, Stadium Village Business Association and Bates-Hendricks

Saturday, March 30, 2019
Sacred Heart Parish Hall

CSS Public Engagement

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CSS Public Engagement

Workshop 1 Orientation - Station 1: CSS Overview

STATION 1
CSS PROCESS
NORTH SPLIT UPGRADES DRIVING PROGRESS

What is CSS?
"Context Sensitive Solutions and Design" (CSS/D)
is a collaborative, interdisciplinary decision-making process and design approach that involves all stakeholders to develop a transportation facility that fits its physical setting.

- US Department of Transportation Federal Highway Administration

CSS CORE PRINCIPLES
DECISION- MAKING PROCESS

- Strive towards a shared stakeholder vision to provide a basis for decisions.
- Demonstrate a comprehensive understanding of contexts.
- Foster continuing communication and collaboration to achieve consensus.
- Exercise flexibility and creativity to shape effective transportation solutions, while preserving and enhancing community and natural environments.

CSS CORE PRINCIPLES
DESIGN APPROACH

- Safe for all users.
- Shared stakeholder vision as a basis for decisions and for solving problems.
- Design outcomes meet or exceed the expectations of both designers and stakeholders, thereby adding lasting value to the community, the environment, and the transportation system.
- Demonstrate effective and efficient use of resources.

STATION 1
PROJECT ELEMENTS
NORTH SPLIT UPGRADES DRIVING PROGRESS

LANDFORM ELEMENTS
- May include existing or proposed landforms and land treatments, graded terrace landings, transitional slopes, natural forms

LOCAL INFRASTRUCTURE ELEMENTS
- May include pavement treatments, vehicular bridges, pedestrian bridges, traffic barriers, sidewalks, planters, trails, bike lanes, signage, lighting

INTERCHANGE INFRASTRUCTURE ELEMENTS
- May include retaining walls, fencing, rip-rap, slope stabilization, bridge structural forms, pier shape design

VEGETATION ELEMENTS
- May include existing vegetation preservation and protection, proposed plantings such as: trees, shrub massing areas, seeded areas, etc.

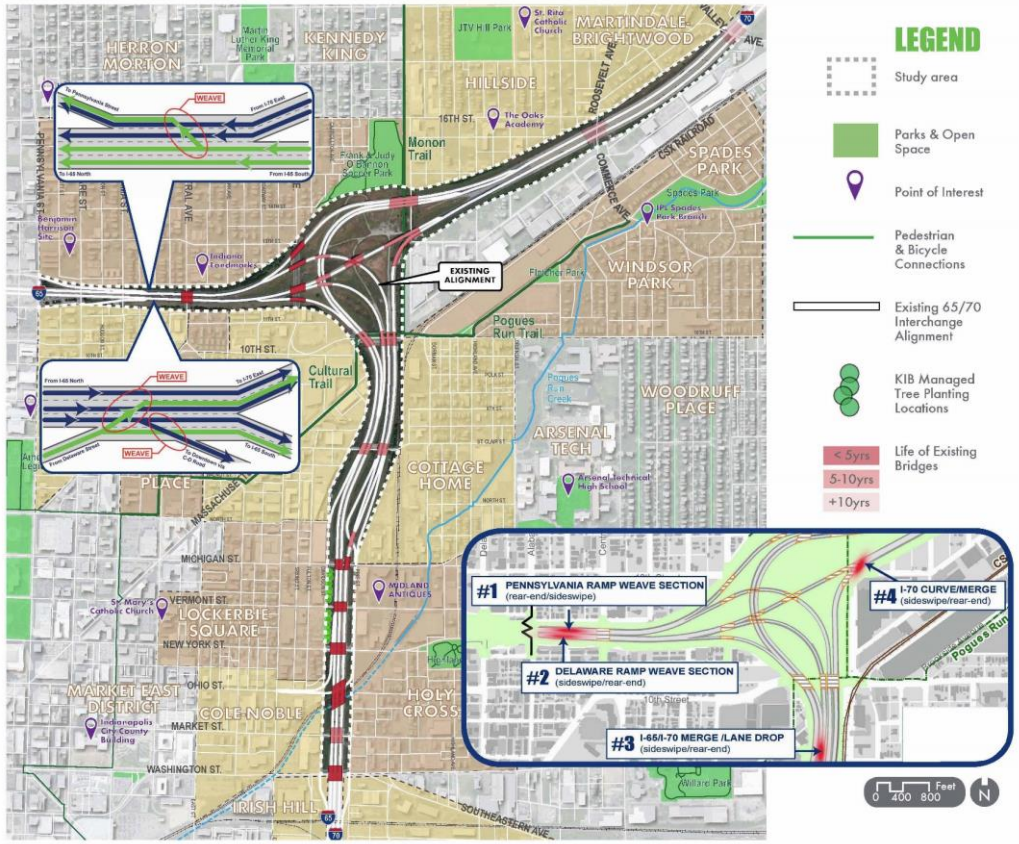
COMMUNITY & PUBLIC ART ELEMENTS
- May include gateway elements, under-bridge treatments, community nodes, plaza areas, art integration components, etc.

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

Workshop 1 Orientation - Station 2: Context

STATION 2
EXISTING CONDITIONS



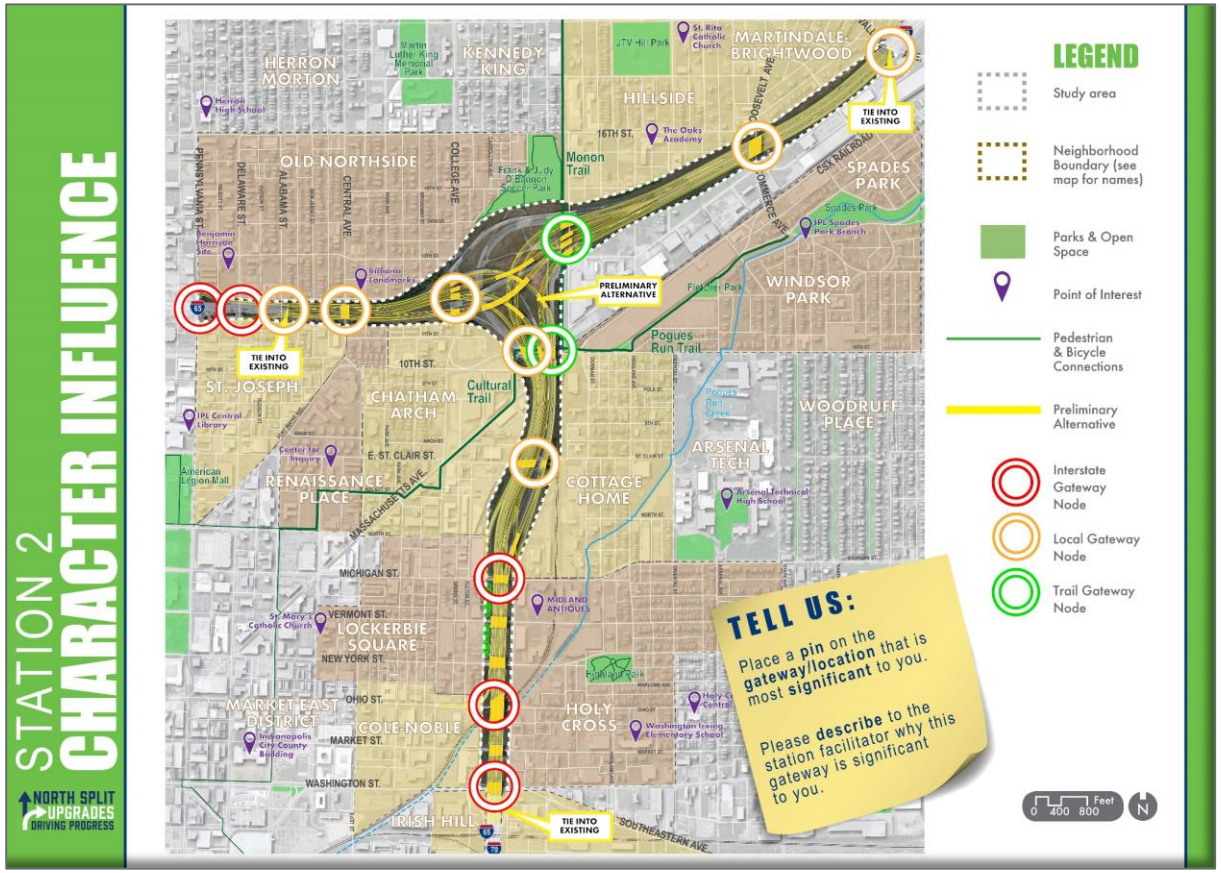
STATION 2
SOCIAL CONTEXT

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

Workshop Orientation - Station 2: Context

TELL US:
Feedback
Opportunity



NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

Workshop 1 Orientation - Station 3: Priorities

STATION 3
OPENINGS

BOSTON, MASSACHUSETTS **Ink Block on I-93**

CAMPBELL, CALIFORNIA **Campbell Street Portal**

LITCHFIELD PARK, ARIZONA **Underpass**

CHRISTCHURCH, NEW ZEALAND **Underpass**

AMSTERDAM, NETHERLANDS **Tunnel**

NORTH SPLIT UPGRADES DRIVING PROGRESS

PRECEDENT IMAGERY

STATION 3
PUBLIC ART INSTALLATIONS

SAN ANTONIO, TEXAS **Ballroom Luminoso**

BIRMINGHAM, ALABAMA **18th Street Underpass**

ANKENY, IOWA **High Trestle Bridge**

BOSTON, MASSACHUSETTS **Ink Block on I-93**

PERTH, AUSTRALIA **Roe Interchange**

EL PASO, TEXAS **Airway Art at I-10**

GLASGOW, SCOTLAND **M8 Motorway**

NORTH SPLIT UPGRADES DRIVING PROGRESS

PRECEDENT IMAGERY

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

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CSS Public Engagement

Workshop Orientation - Station 3: Priorities

TELL US:
Feedback
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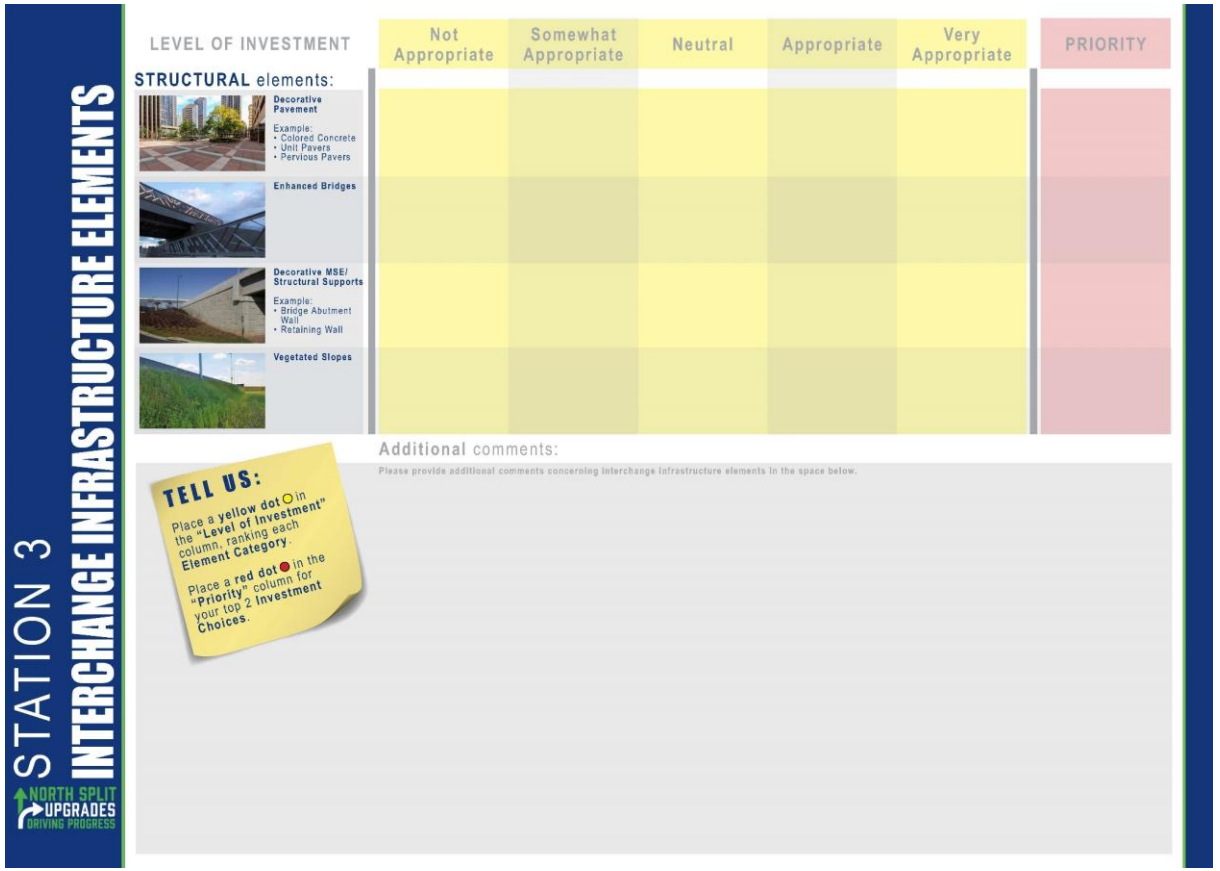
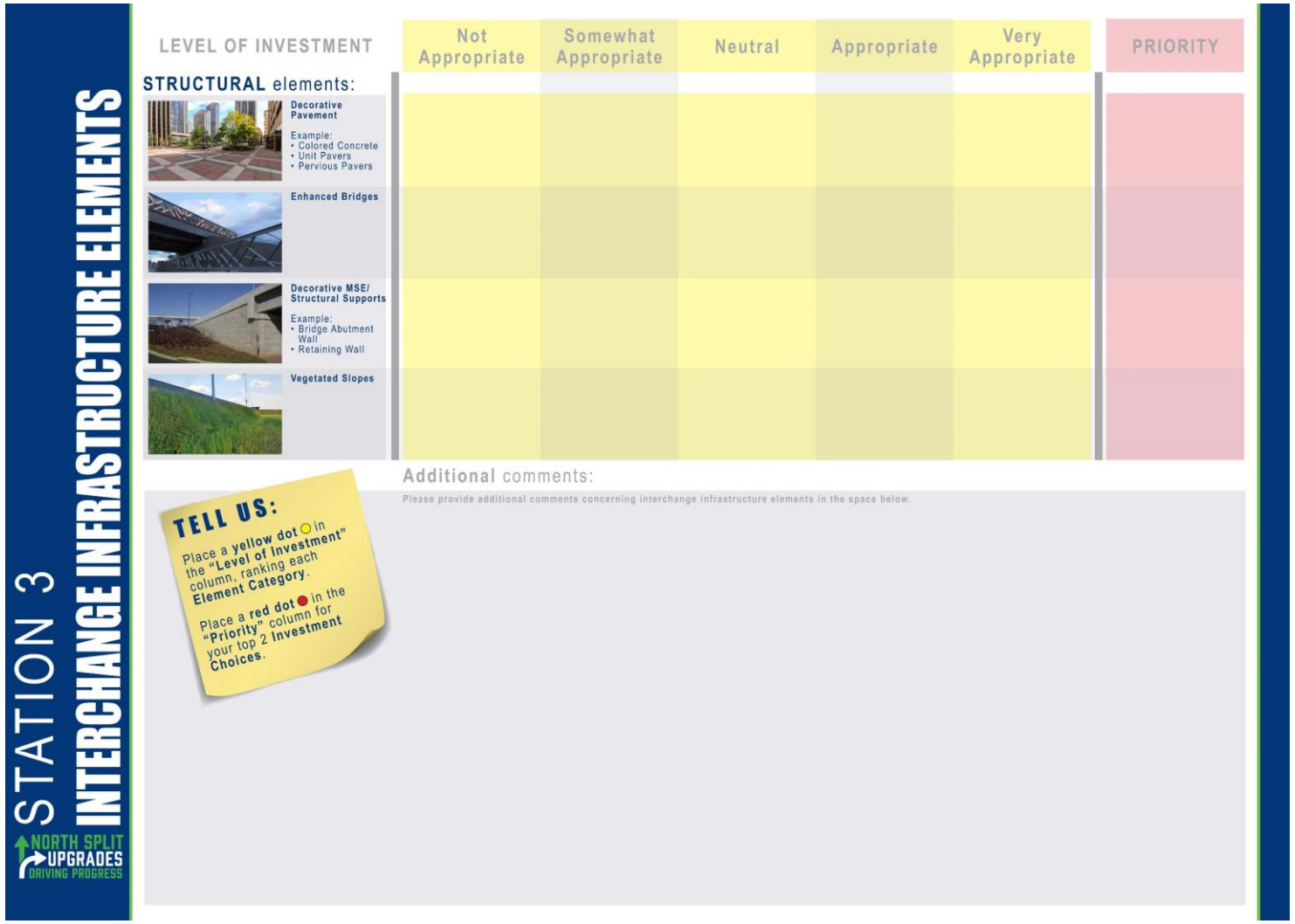


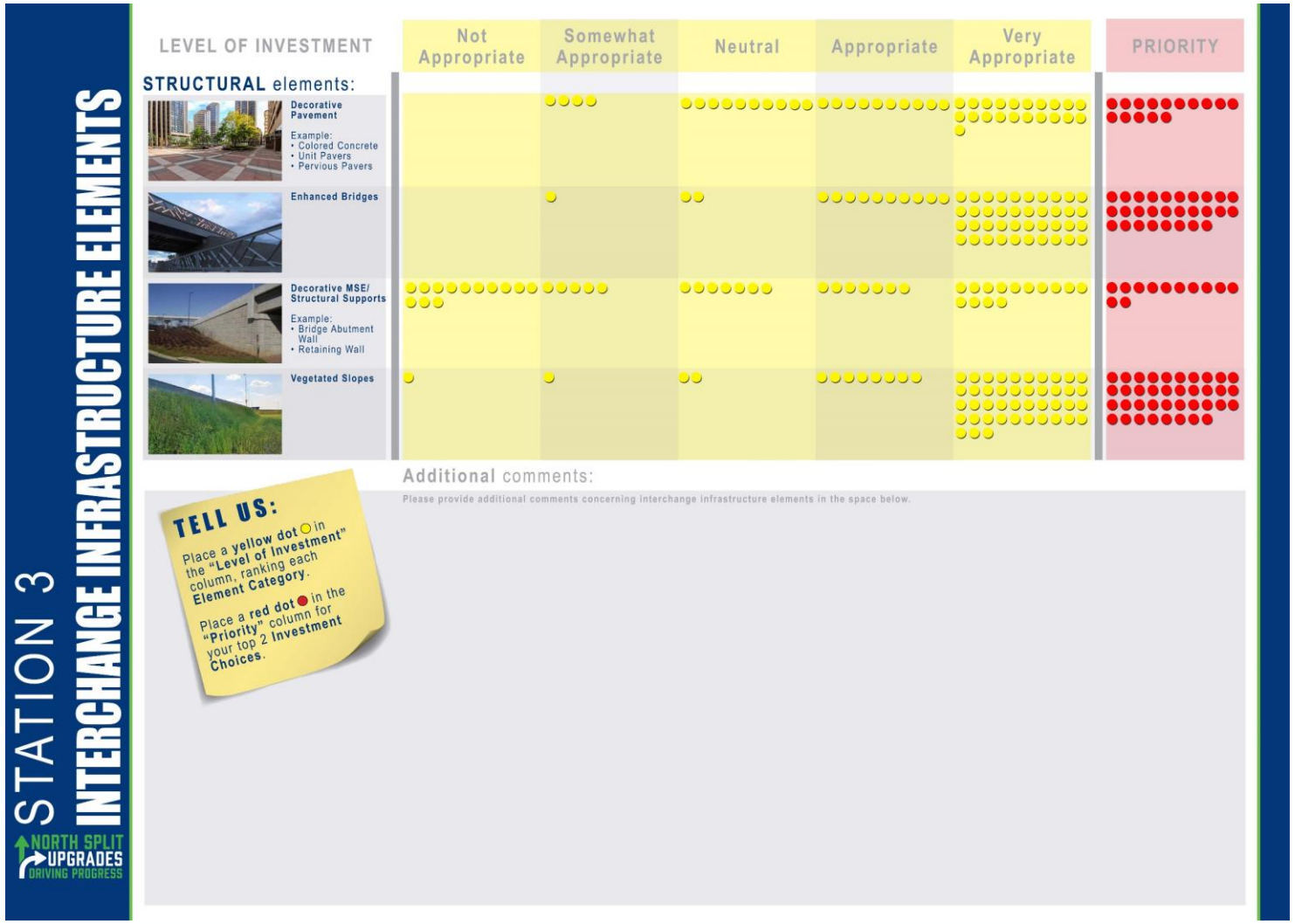
CSS Public Engagement



Interchange Infrastructure Elements: Structural Elements

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

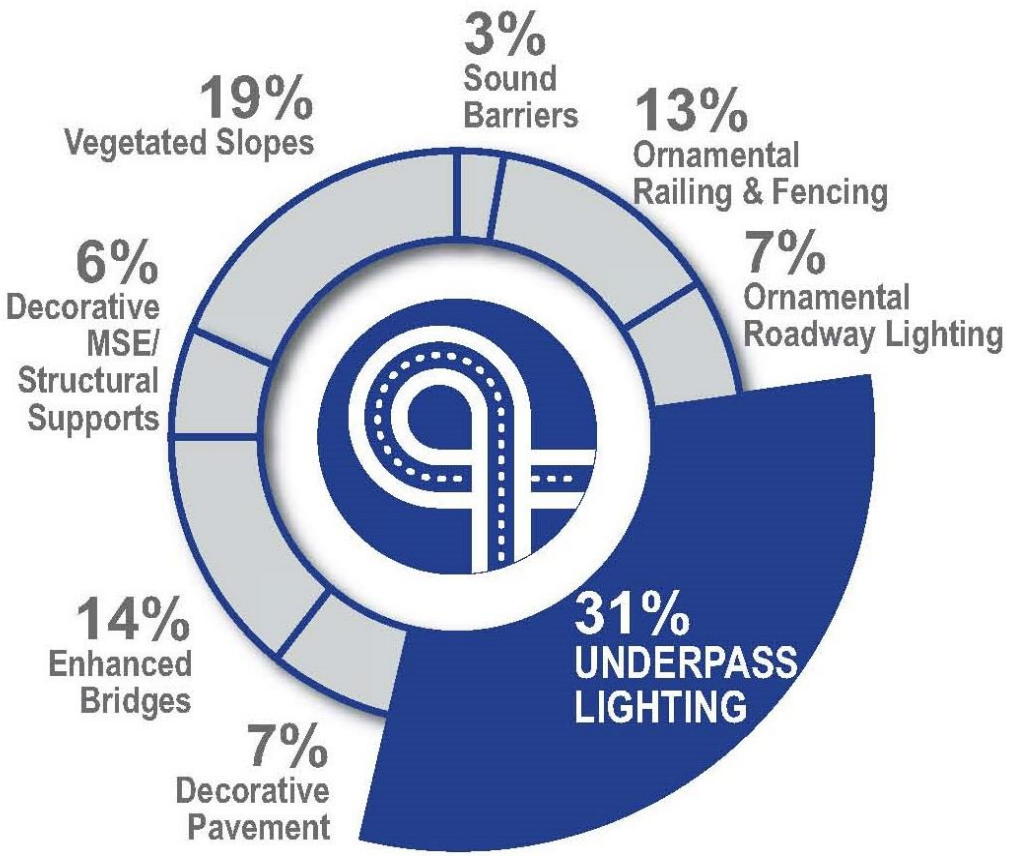


Interchange Infrastructure Elements: Structural Elements

Residents indicated that more **vegetated slope treatments** were APPROPRIATE and should be given PRIORITY.

CSS Public Engagement

INTERCHANGE INFRASTRUCTURE ELEMENTS



CSS Public Engagement

Workshop Orientation

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

Workshop Orientation – Feedback Form

TELL US:
Feedback
Opportunity


NEIGHBORHOOD FEEDBACK

NORTH SPLIT UPGRADES DRIVING PROGRESS

Below are some broad questions pertaining to your views of your neighborhood. These questions will help us to better understand and document the community assets and concerns.

What do you like most about your neighborhood?

What do you like least about your neighborhood?

How long have you lived in the neighborhood?

What are the most important connectivity-related improvements that need to be made to the neighborhood?

Please Provide Additional Feedback Below (Use the back as necessary.)

We appreciate your time in completing this questionnaire. If completed today, it may be turned in to a representative at the "Welcome" table. (The form may also be scanned and sent to info@northsplit.com)

Name:

Address:

Neighborhood:

Date:

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

1. **What do you like MOST about your neighborhood?**

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

2. What do you like LEAST about your neighborhood?

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

3. What are the most important connectivity-related improvements that need to be made to the neighborhood?

NORTH SPLIT UPGRADES DRIVING PROGRESS

CSS Public Engagement

4. Additional feedback topics and input…

NORTH SPLIT UPGRADES DRIVING PROGRESS

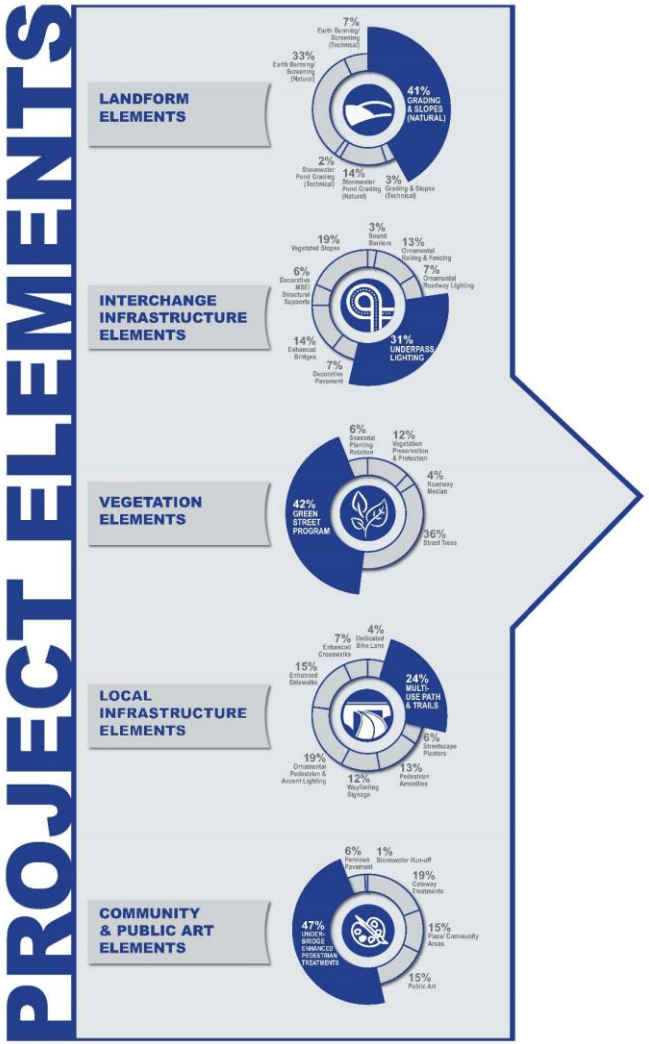
CSS Process

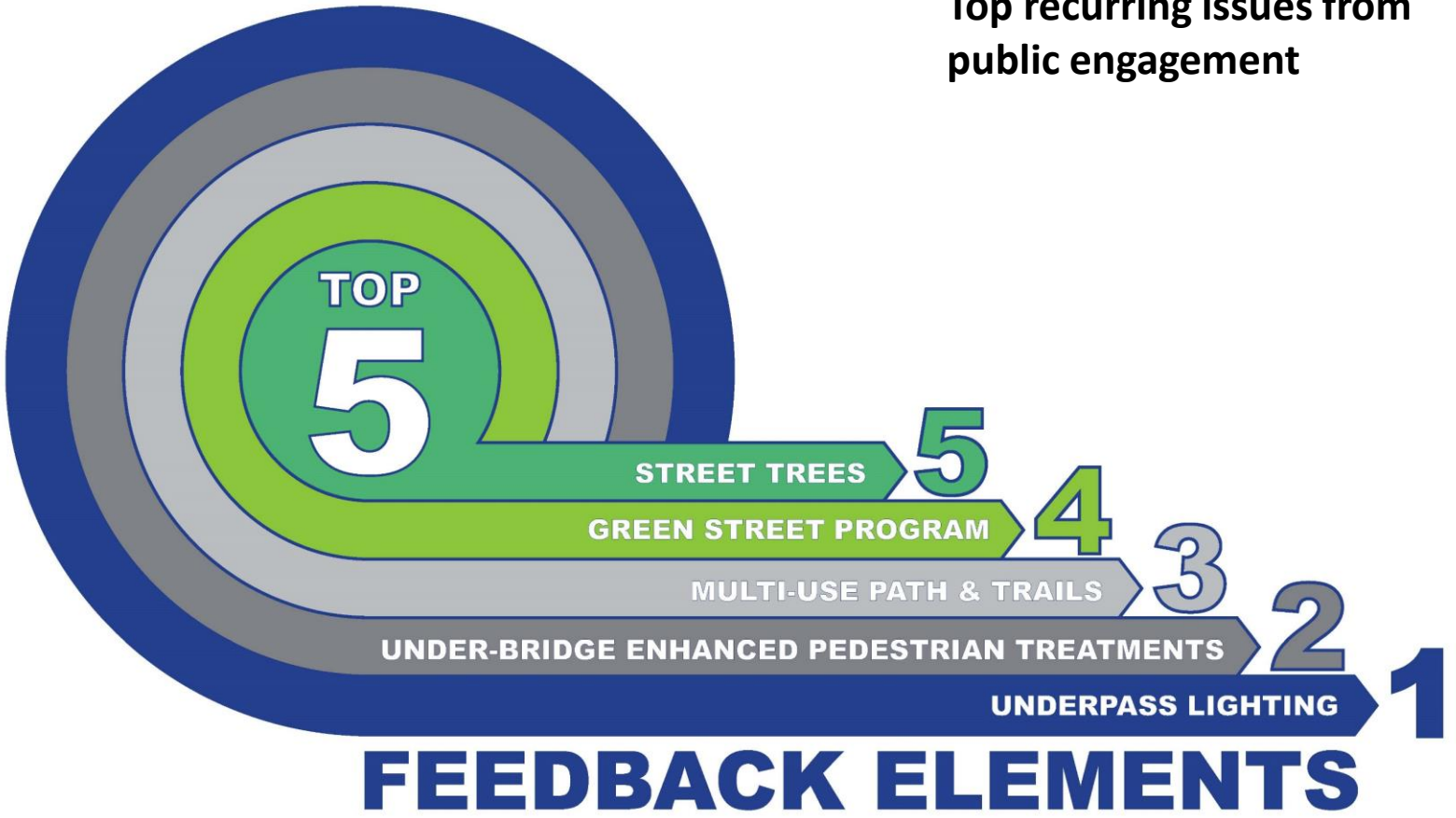
NORTH SPLIT UPGRADES DRIVING PROGRESS

NORTH SPLIT
UPGRADES
DRIVING PROGRESS

CSS Public Engagement Input and Outcomes

CSS Public Engagement





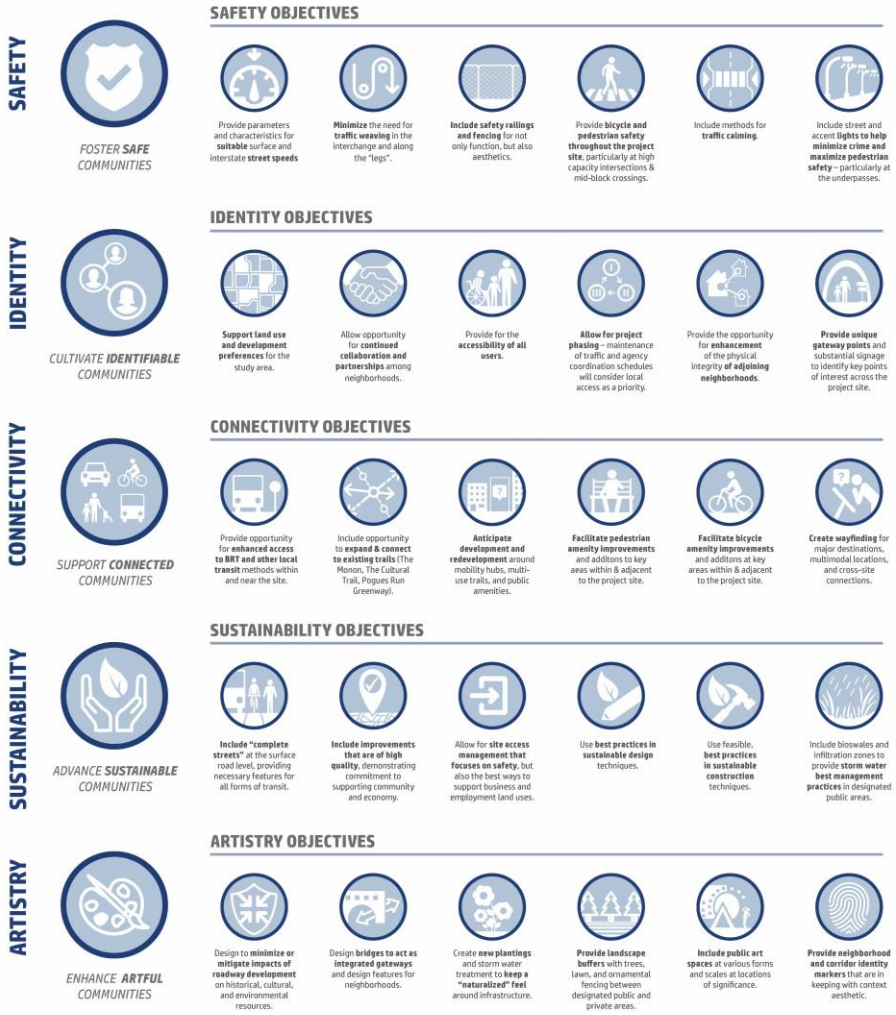
Top recurring issues from public engagement

CSS Public Engagement

Goals and Objectives

VISION STATEMENT

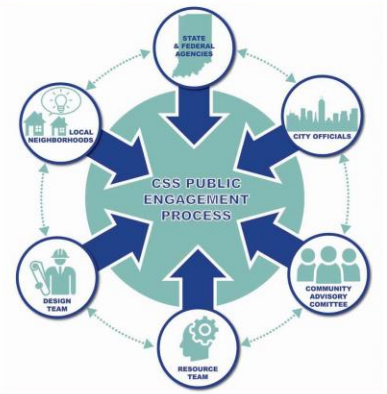
The I65/I70 North Split Project will focus on five project goals for community growth including safety, identity, connectivity, sustainability, and artistry. Conceptualized through a Context Sensitive Solutions (CSS) process, the well-designed, multi-modal public infrastructure will capitalize on surrounding connections, expand the public realm, and address the relationship between the new interchange and the existing adjacent neighborhoods.



Preliminary CSS Themes and Ideas

PUBLIC ENGAGEMENT OUTCOMES

STAKEHOLDER GROUPS



DESIGN ELEMENTS

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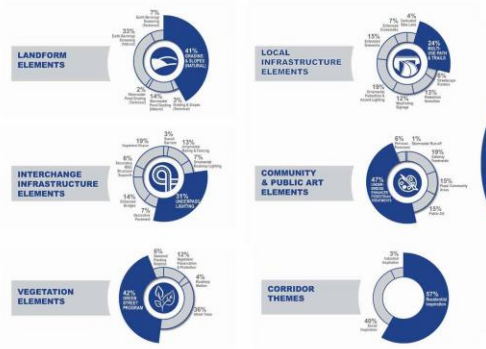
COMMUNITY FEEDBACK



CHARACTER & THEMES

DESIGN THEME CONCEPT A

DESIGN THEME CONCEPT B

NORTH SPLIT UPGRADES DRIVING PROGRESS

NORTH SPLIT
UPGRADES
DRIVING PROGRESS

Preliminary CSS Themes and Ideas

Workshop Orientation

Preliminary CSS Themes and Ideas

CONTEXT SENSITIVE SOLUTIONS

VISIONING SUMMARY & DESIGN PRINCIPLES

NORTH SPLIT UPGRADES DRIVING PROGRESS

INTRODUCTION **PROJECT STATUS**

NORTH SPLIT UPGRADES DRIVING PROGRESS

WHERE ARE WE NOW?

PRELIMINARY DESIGN TREATMENTS

Preliminary Design Treatments are a series of ***recommendations or ideas based on the visioning phase*** *of the CSS Process.*

The preliminary design treatments illustrate ways the stakeholder comments can be incorporated into physical design treatments.

CSS PROJECT SCHEDULE

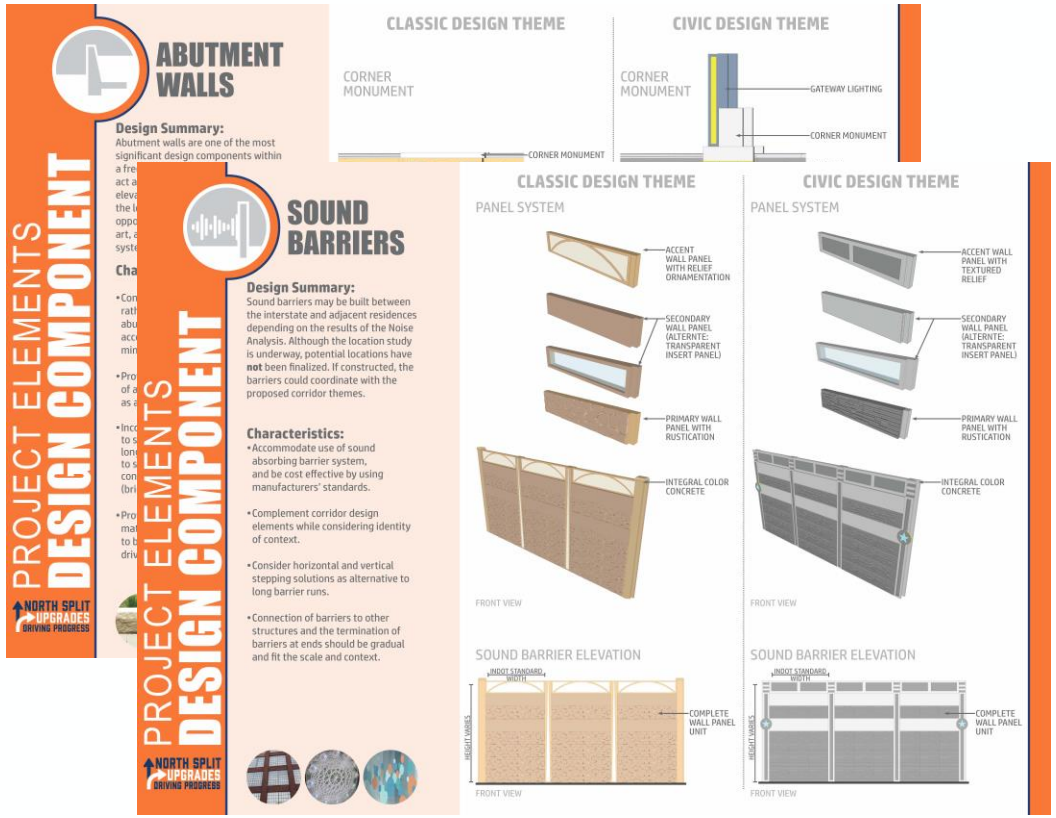
MONTH 1 - MONTH 3	MONTH 4 - MONTH 6	MONTH 7 - MONTH 9	MONTH 10 - MONTH 12
PART 1 VISIONING	**PART 2 PRELIMINARY DESIGN TREATMENTS**	**PART 3 CSS DESIGN GUIDELINES PACKAGE**	**NEXT PHASE SPECIFICATIONS & STANDARD DETAILS**
•Conduct Inventory and Assessment •Develop Chara… and Themes	•Develop Conceptual Treatments •Develop Conceptual CSS Plan	•Revise and Finalize CSS Design Treatments •Develop Preferred Conceptual Plan Costs	•Develop specifications and standard details
COMPLETE			
MEETI… •C… Team Kick off •C… Resource Team •CSS Design Team Review •City/MPO Briefing	MEETINGS: •CSS Design Team •Resource Team •City/MPO	MEETINGS: •CSS Design Team •Resource Team •City/MPO	MEETINGS: •Resource Team
PUBLIC INVOLVEMENT: •Neighborhood Meetings - Round 1	PUBLIC INVOLVEMENT: •Neighborhood Meetings - Round 2 •CAC Briefing •Public Meeting 3		PUBLIC INVOLVEMENT: •CAC Briefing •Public Meeting 4

OVERALL PROJECT TIMELINE

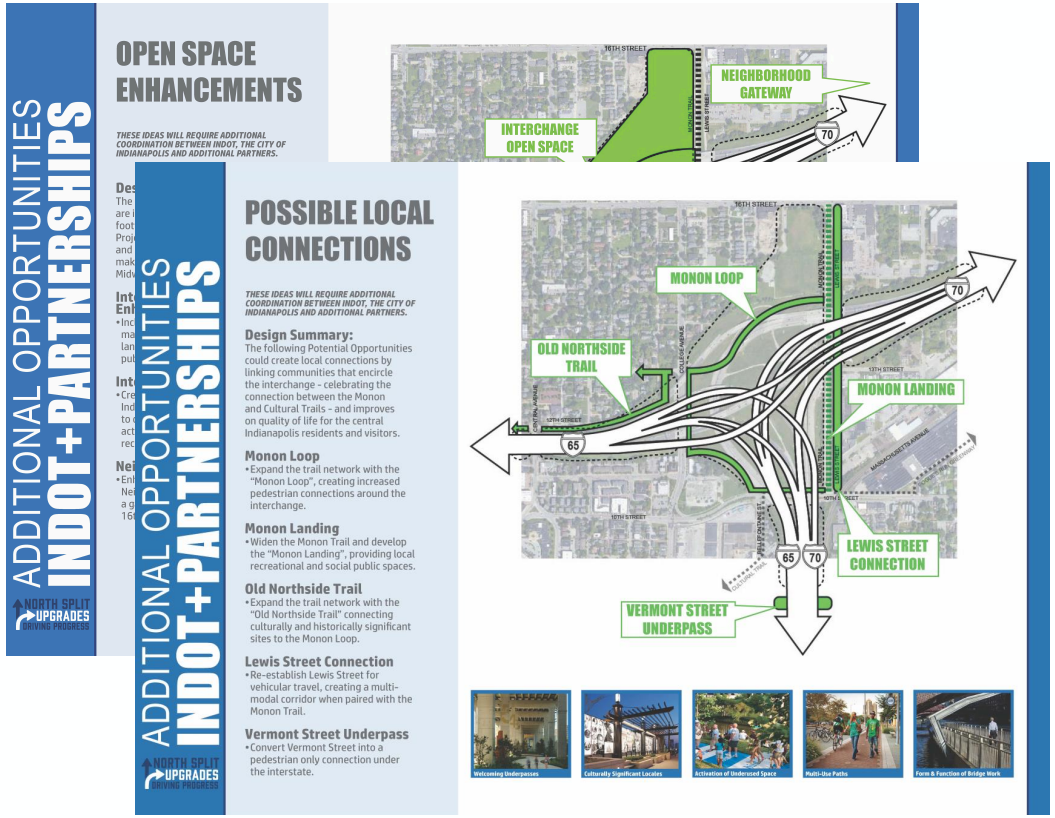
2018	2019	2019-'20	2020-'22
SYSTEM LEVEL ANALYSIS	ENVIRONMENTAL ANALYSIS	CONTRACTOR PROCUREMENT	CONSTRUCTION
NEPA PROJECT ALTERNATIVES	(CSS) CONTEXT SENSITIVE SOLUTIONS PROCESS	NEPA CONCLUSION	
PRELIMINARY PREFERRED ALTERNATIVE	PRELIMINARY DESIGN & INDUSTRY REVIEW	FINAL DESIGN	

Preliminary CSS Themes and Ideas

Project Elements



Additional Opportunities



NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

CONTEXT SENSITIVE SOLUTIONS

PROJECT ELEMENTS

NORTH SPLIT UPGRADES DRIVING PROGRESS

PROJECT ELEMENTS
DESIGN TREATMENTS

NORTH SPLIT UPGRADES DRIVING PROGRESS

COMPONENT IDENTIFICATION

TREATMENT DEVELOPMENT:

After collecting input at stakeholder and neighborhood meetings, twelve components that support the project goals and objectives were identified as being of most importance to the North Split Redesign project treatments.

These design components are the cornerstone pieces of the North Split CSS process; they meet both the safety and functionality requirements set for the driver experience above, as well as the aesthetic and safety needs expressed by the neighboring communities for the pedestrian experience below.

Preliminary CSS Themes and Ideas

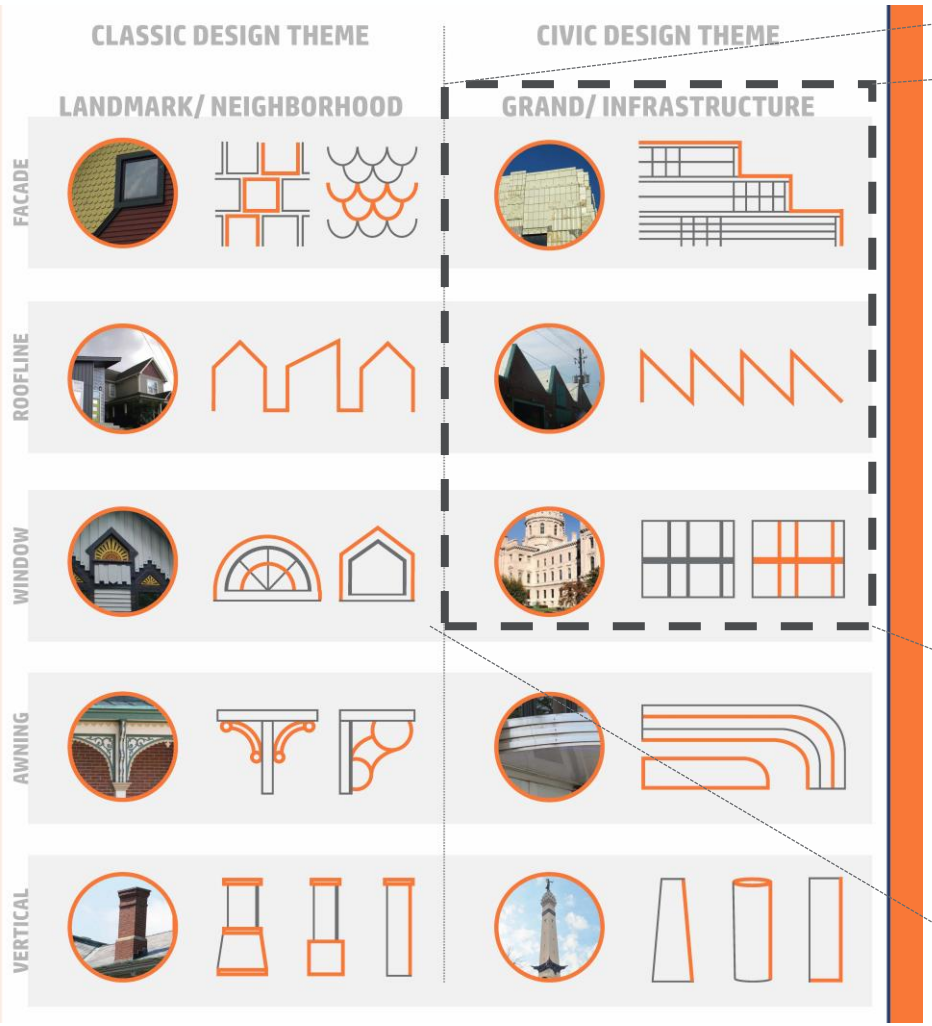
PROJECT ELEMENTS
DESIGN COMPONENT

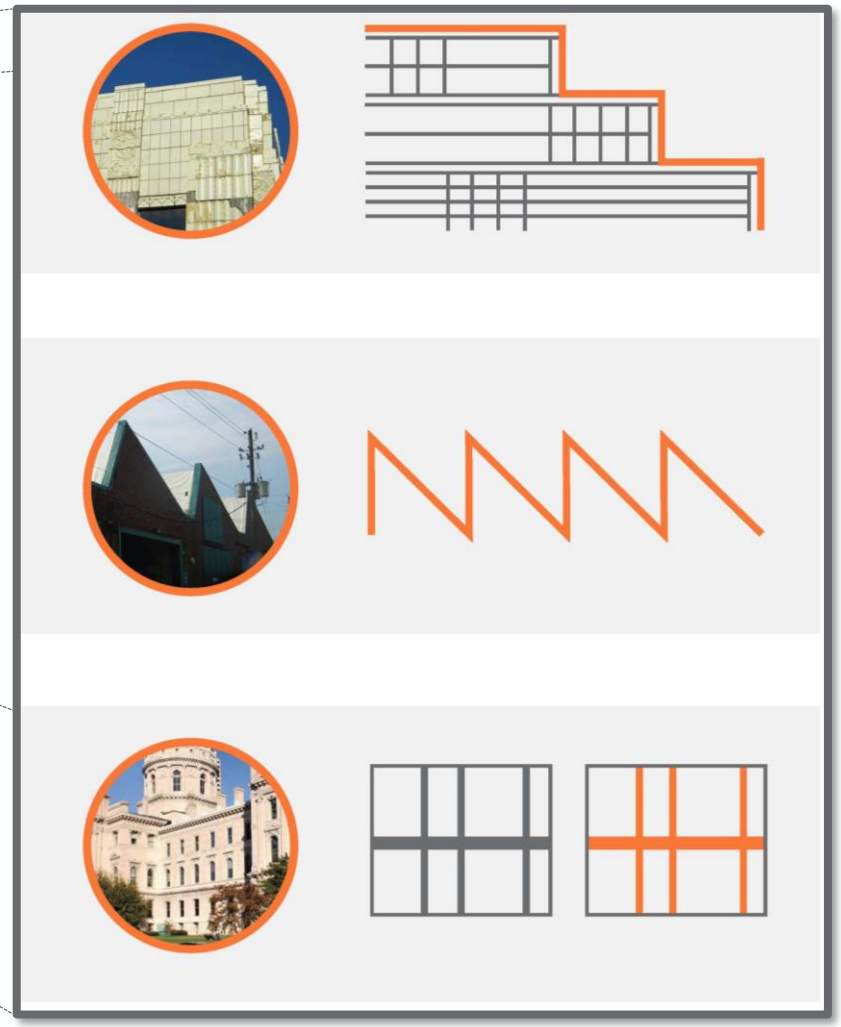
FORM & TEXTURE PALETTE

Design Summary:
Form and texture are also significant elements in reinforcing corridor continuity. A stronger relationship between the project and the context is achieved by replicating forms and textures seen in environs around the project site. Forms and textures can provide an opportunity to introduce patterns and shapes that both define scale and unify a design palette.

Characteristics:
- Use forms and textures that are inspired by local structures, buildings, trails, and environment.
- Embrace the natural texture of constructed materials that are complementary to other textures proposed therefore minimizing surface applications.
- Specify forms and textures that can be replicated efficiently at a high quality of construction.

NORTH SPLIT UPGRADES DRIVING PROGRESS





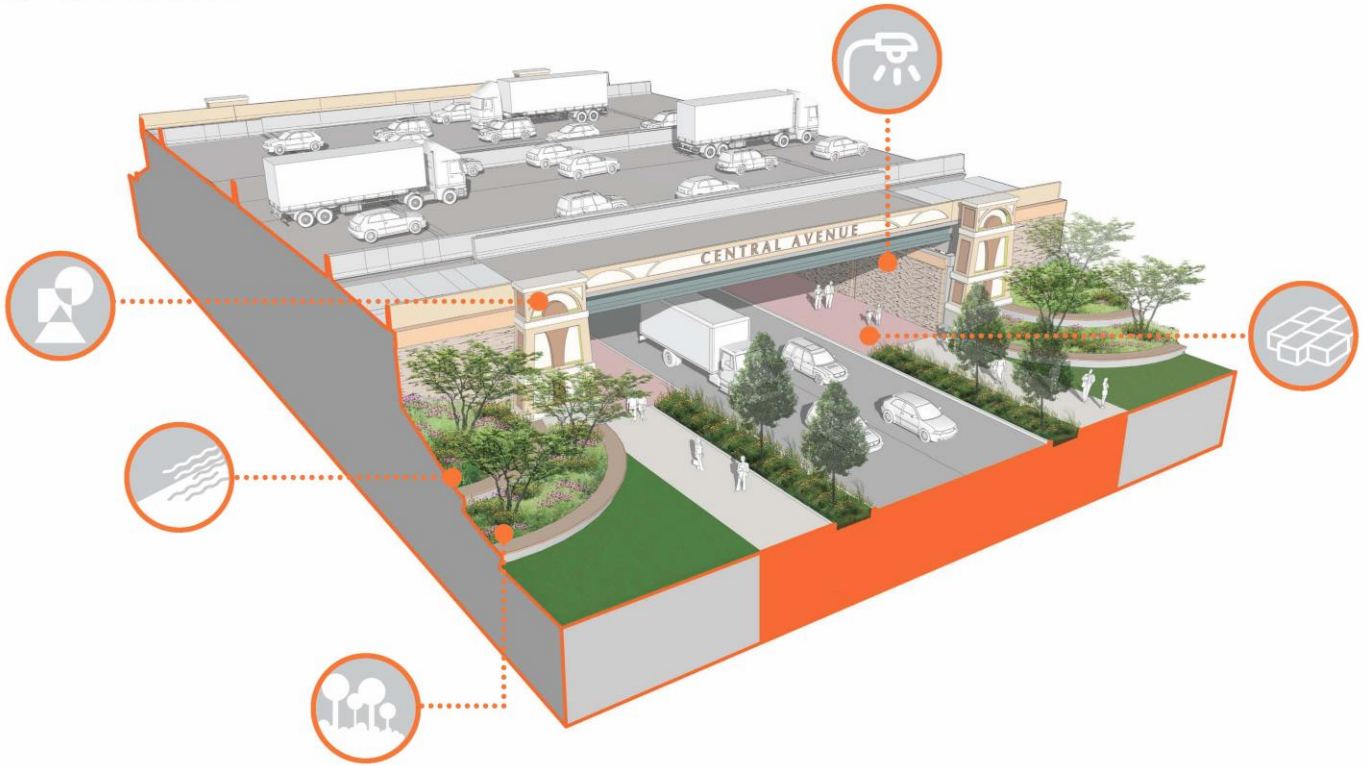
NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

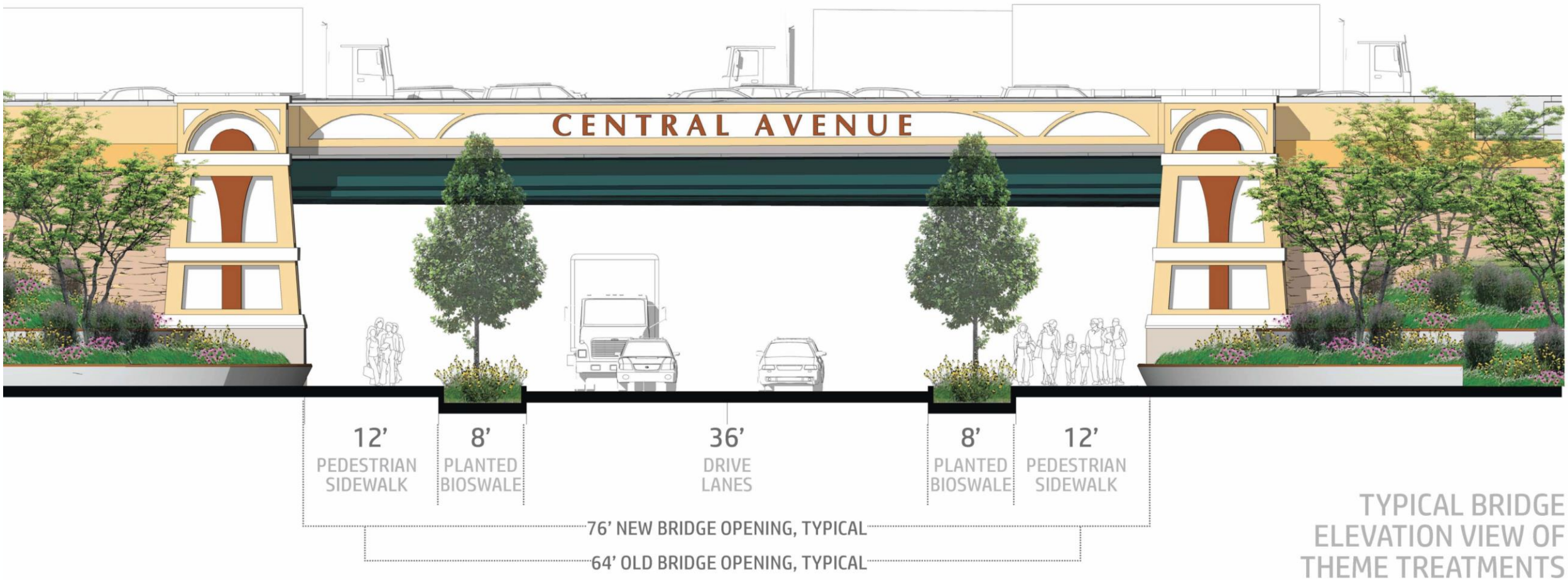
THEME APPLICATION: "CLASSIC DESIGN"

Influenced by the **local landmarks** and inspired by some of the **neighborhoods' architecture**, the Classic Design Theme **builds upon that character** utilizing forms and shapes found **in the neighborhood context**.

THEME APPLICATION COMPONENTS



Preliminary CSS Themes and Ideas



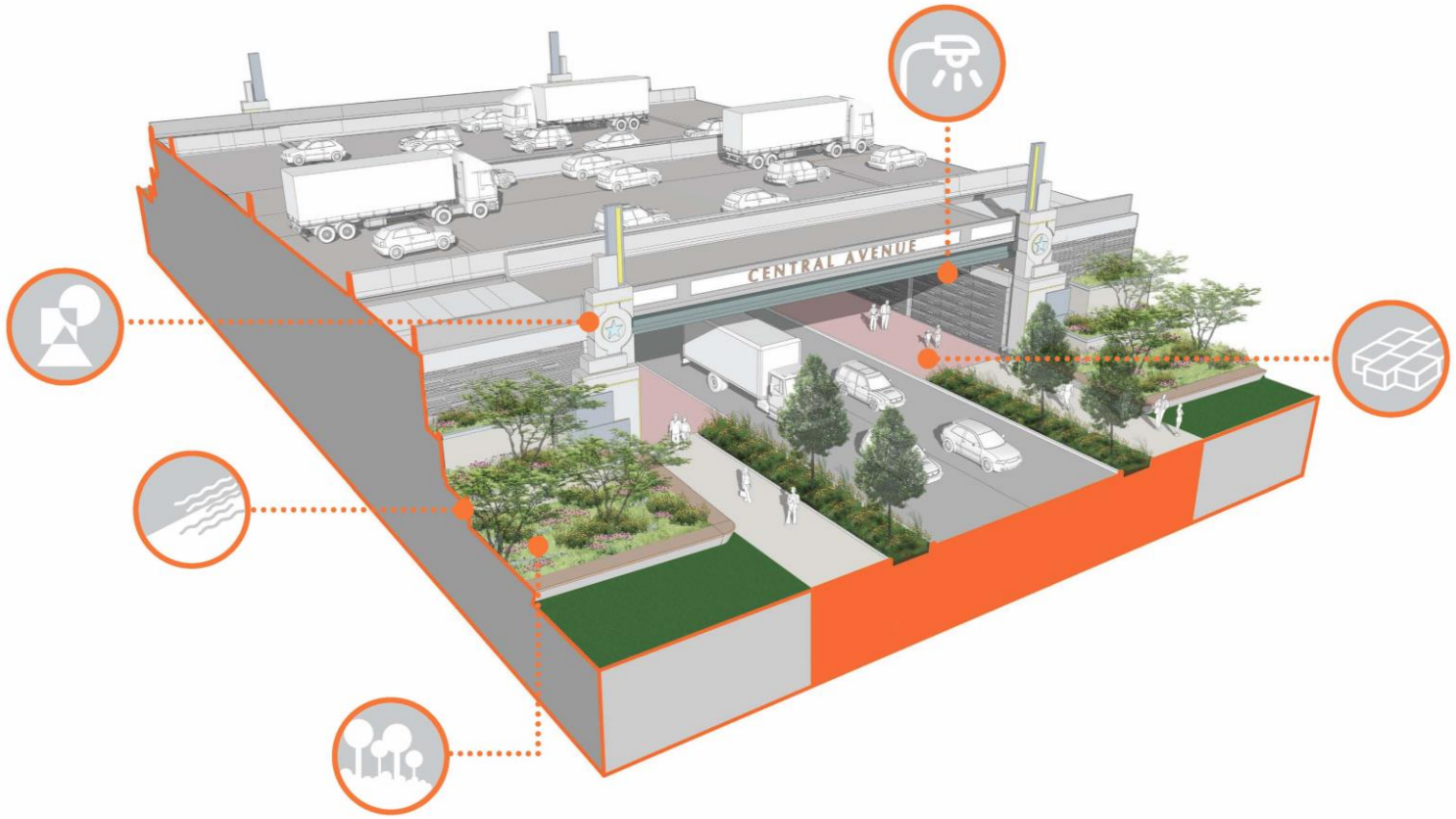
TYPICAL BRIDGE ELEVATION VIEW OF THEME TREATMENTS

Preliminary CSS Themes and Ideas

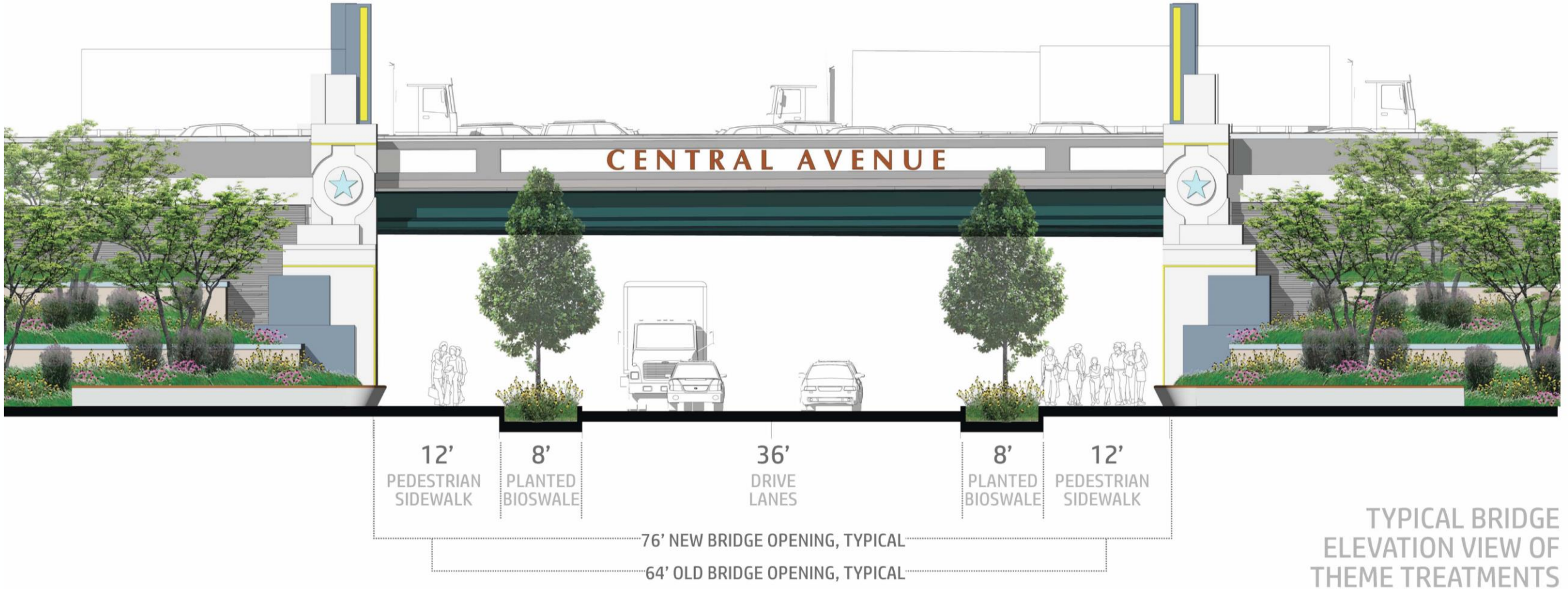
THEME APPLICATION: "CIVIC DESIGN"

Influenced by the **city's identity** and inspired by some **spaces of the public realm**, the Civic Design Theme **highlights that monumentality** utilizing forms and shapes that **celebrate the capitol city**.

THEME APPLICATION COMPONENTS



Preliminary CSS Themes and Ideas



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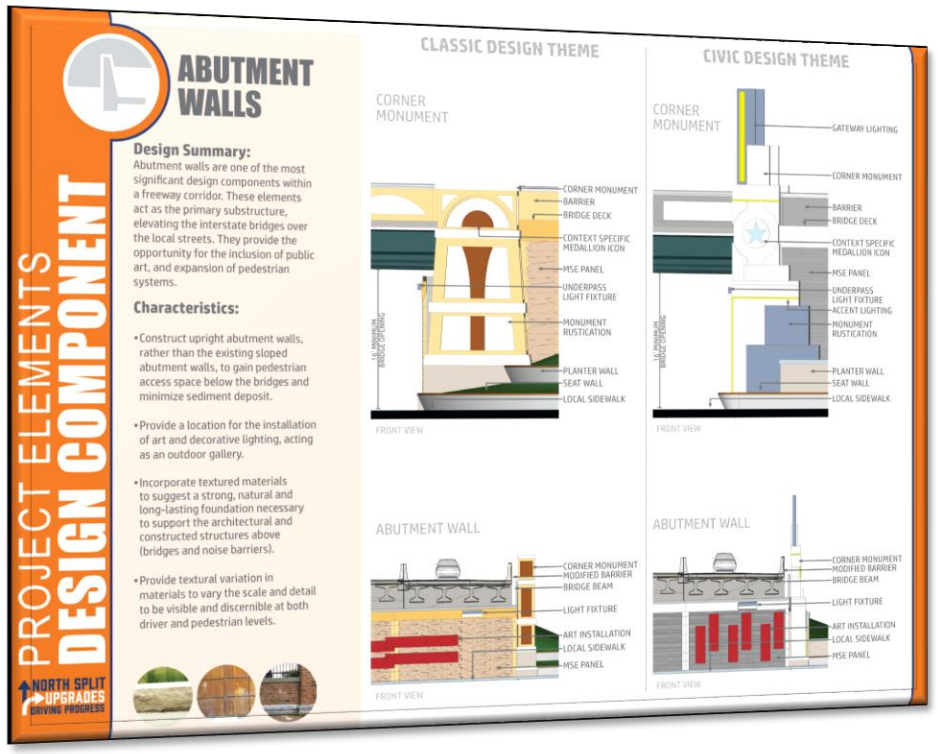
Preliminary CSS Themes and Ideas



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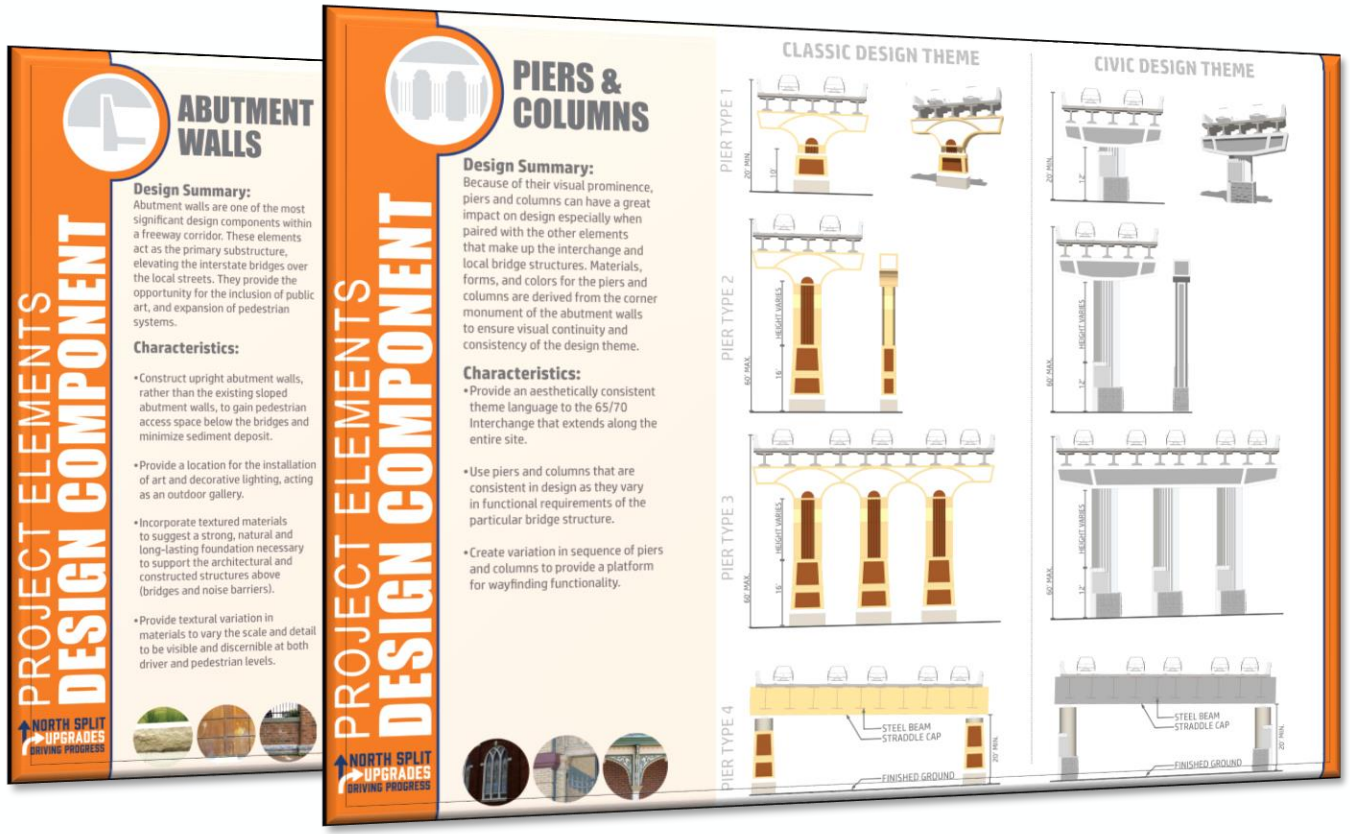
Preliminary CSS Themes and Ideas



NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

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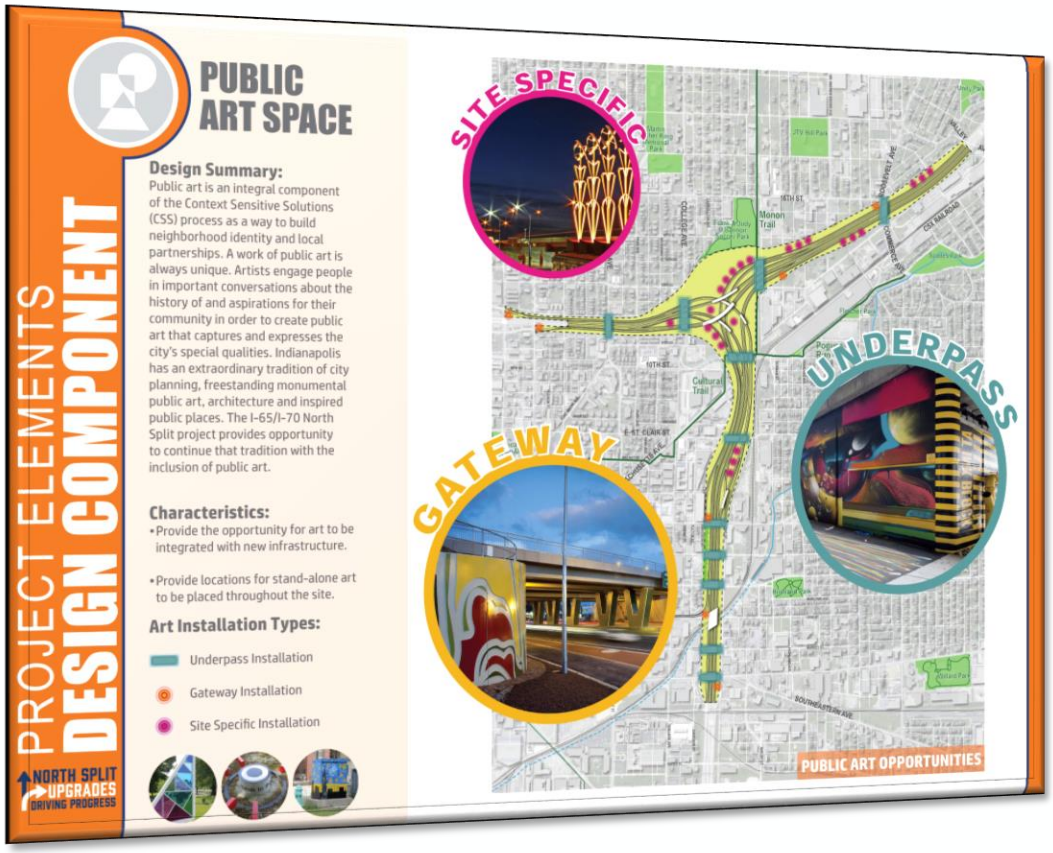

NORTH SPLIT UPGRADES DRIVING PROGRESS

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Preliminary CSS Themes and Ideas

CONTEXT SENSITIVE SOLUTIONS

ADDITIONAL OPPORTUNITIES

NORTH SPLIT UPGRADES DRIVING PROGRESS

ADDITIONAL OPPORTUNITIES
INDOT+PARTNERSHIPS

NORTH SPLIT UPGRADES DRIVING PROGRESS

POSSIBLE LOCAL CONNECTIONS

THESE IDEAS WILL REQUIRE ADDITIONAL COORDINATION BETWEEN INDOT, THE CITY OF INDIANAPOLIS AND ADDITIONAL PARTNERS.

Design Summary:
The following Potential Opportunities could create local connections by linking communities that encircle the interchange - celebrating the connection between the Monon and Cultural Trails - and improves on quality of life for the central Indianapolis residents and visitors.

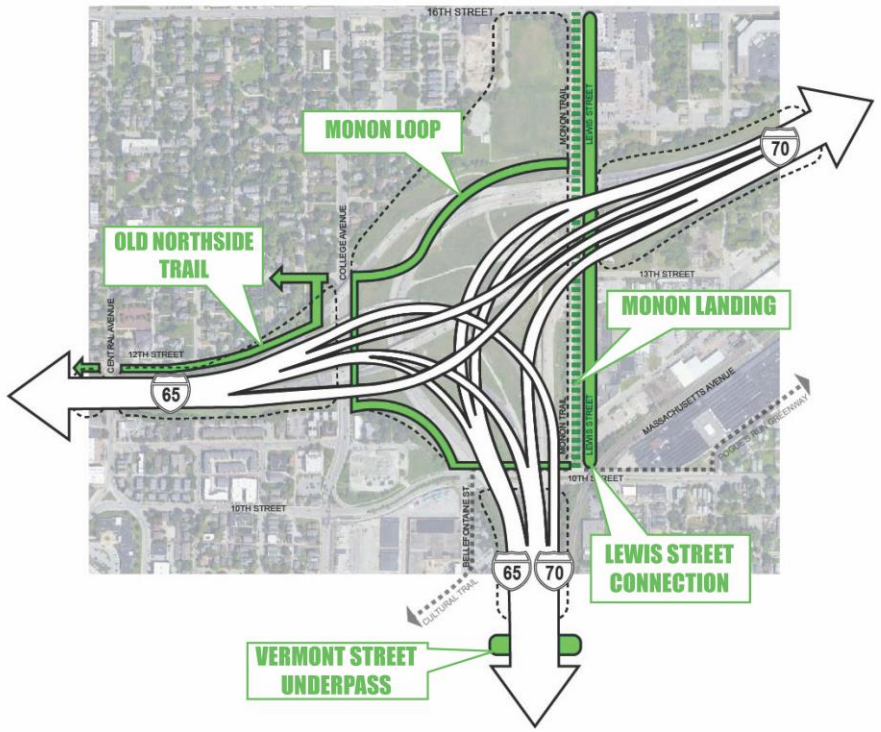
Monon Loop
- Expand the trail network with the "Monon Loop", creating increased pedestrian connections around the interchange.

Monon Landing
- Widen the Monon Trail and develop the "Monon Landing", providing local recreational and social public spaces.

Old Northside Trail
- Expand the trail network with the "Old Northside Trail" connecting culturally and historically significant sites to the Monon Loop.

Lewis Street Connection
- Re-establish Lewis Street for vehicular travel, creating a multi-modal corridor when paired with the Monon Trail.

Vermont Street Underpass
- Convert Vermont Street into a pedestrian only connection under the interstate.

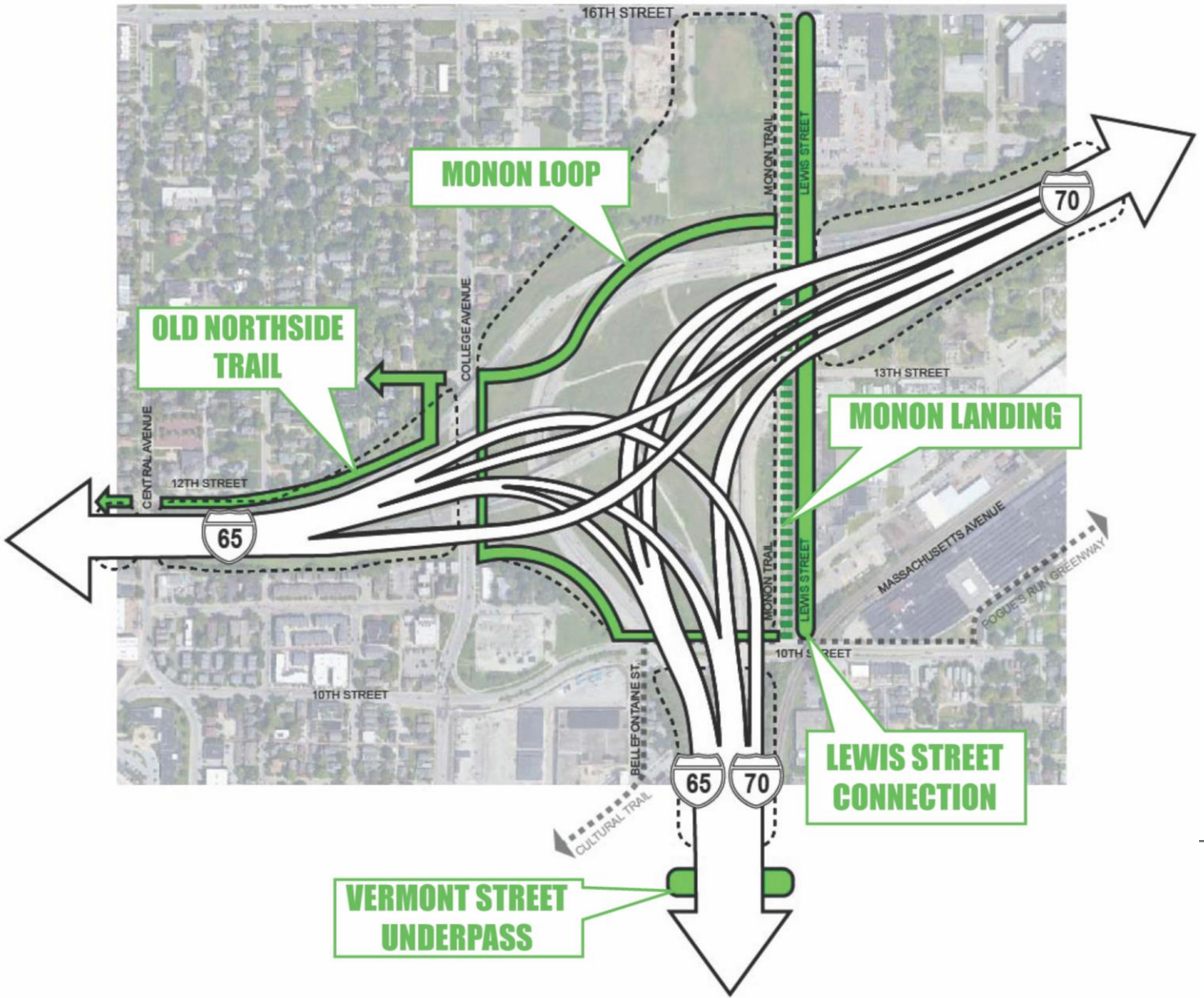


NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

Local Connectivity

- Monon Landing
- Monon Loop
- Old Northside Trail
- Lewis Street Connection
- Vermont Street Pedestrian Underpass



NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

MONON LANDING

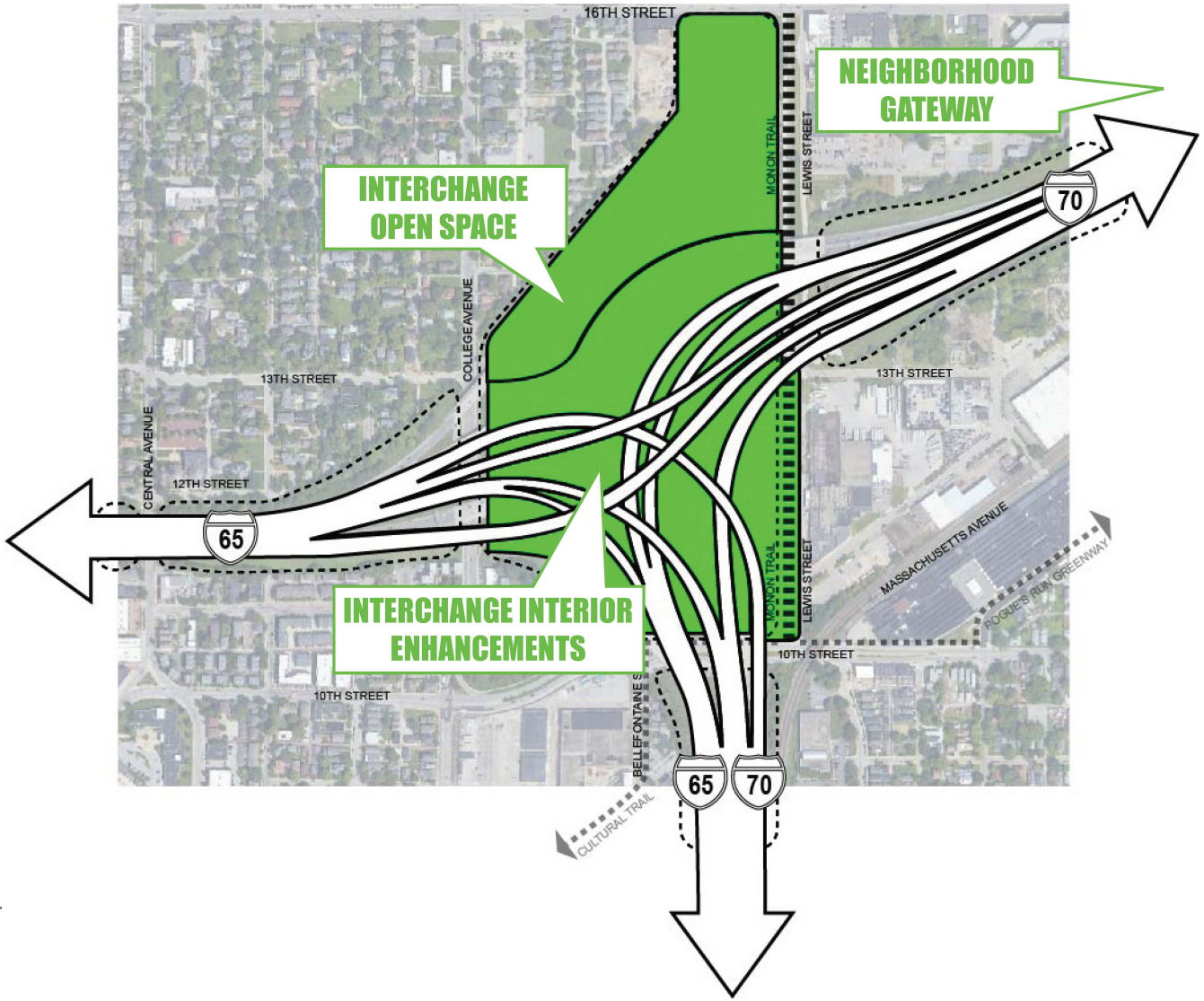
Preliminary CSS Themes and Ideas

VERMONT STREET UNDERPASS

Preliminary CSS Themes and Ideas

Open Space Enhancements

- Interchange Interior Enhancements
- Interchange Open Space
- Neighborhood Gateway



NORTH SPLIT UPGRADES DRIVING PROGRESS

Preliminary CSS Themes and Ideas

NORTH SPLIT
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Next Steps in CSS Process

CSS Next Steps

North Split CSS Design Process

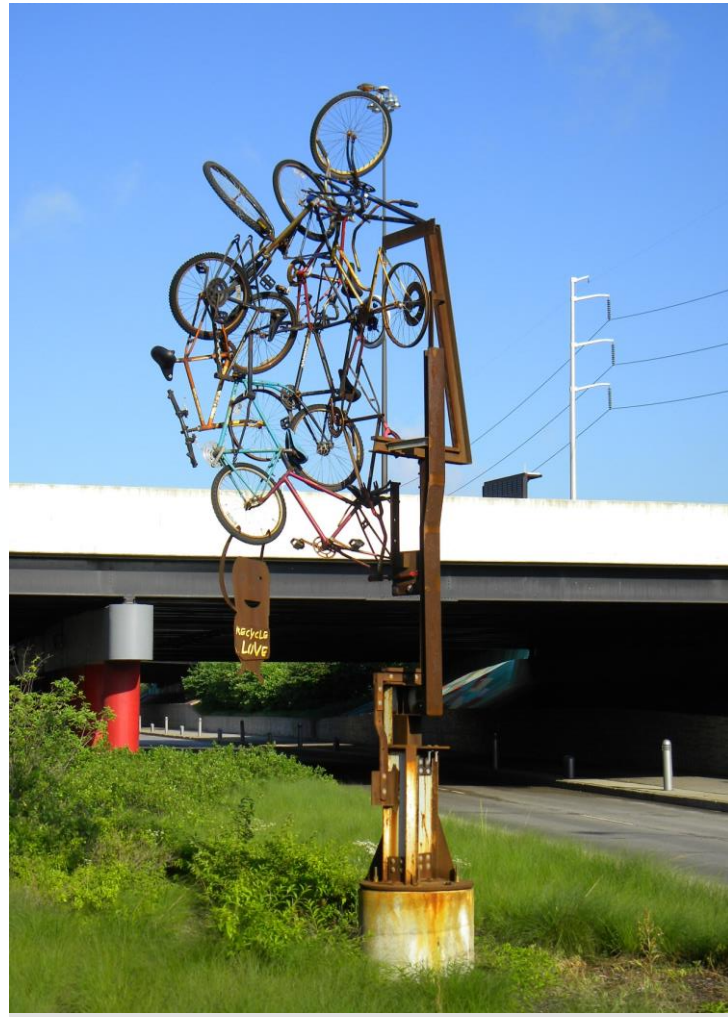
Broken into three (3) parts:

- Part 1: Visioning
- Part 2: Develop Preliminary Design Treatments/Concepts
- Part 3: Develop CSS Design Guidelines Package

CSS Next Steps

Next Steps…

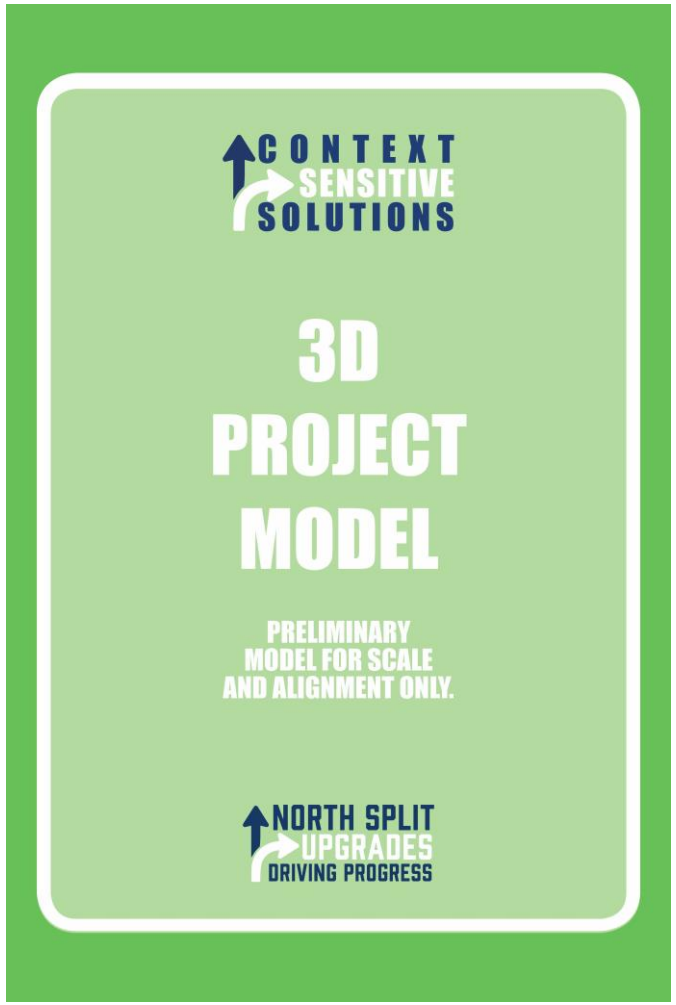
- Round 2 Neighborhood Workshops – July/August
- CAC meeting on August 9
- Public meeting on August 15
- Evaluate public feedback and responses
- Develop final CSS guidelines – Fall 2019
- Public meeting – Winter 2019



CSS Open House and Stations

Two Additional Open House Stations:

- Survey Station
- 3D Project Model of Interchange Alignment



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